AMSAT News Service Weekly Bulletins
Issue: ANS-052 SPECIAL
Date: 2016-02-21
Sources: amsat-ans-2016-ans-052-special-hyperkitty-c2f535696d.txt

---

AMSAT NEWS SERVICE SPECIAL BULLETIN
ANS-052.02

The AMSAT News Service bulletins are a free, weekly news and information service of AMSAT North America, The Radio Amateur Satellite Corporation. ANS publishes news related to Amateur Radio in Space including reports on the activities of a worldwide group of Amateur Radio operators who share an active interest in designing, building, launching and communicating through analog and digital Amateur Radio satellites.

The news feed on http://www.amsat.org publishes news of Amateur Radio in Space as soon as our volunteers can post it.

Please send any amateur satellite news or reports to:
ans-editor at amsat.org.

In this edition:

* RadFxSat-2 (Fox-1E) Selected for Participation in NASA's CSLI

SB SAT @ AMSAT $ANS-052.02
ANS-052 AMSAT News Service Weekly Bulletins

AMSAT News Service Bulletin 052.02
>From AMSAT HQ KENSINGTON, MD.
DATE February 21, 2016
To All RADIO AMATEURS
BID: $ANS-052.02

RadFxSat-2 (Fox-1E) Selected for Participation in NASA's CSLI

On February 18, 2016 NASA announced the selection of RadFxSat-2, the Space Radiation Effects CubeSat, for participation in NASA's CubeSat Launch Initiative. RadFxSat-2 (Fox-1E) is another partnership opportunity between Vanderbilt University ISDE and AMSAT, similar to RadFxSat (Fox-1B) which is scheduled to launch in January 2017. Vanderbilt University, with cooperation from AMSAT, submitted the RadFxSat-2 CSLI proposal in November 2015.

Out of 21 proposals, NASA is recommending 20 for participation in the CSLI opportunity. RadFxSat-2 is prioritized #1 out of the 20 selected and has been offered an opportunity for a launch date. The opportunity is being evaluated by Vanderbilt University and AMSAT to determine if it meets our mission and orbital parameters.

RadFxSat-2 (Fox-1E) will carry a radiation effects experiment similar to RadFxSat (Fox-1B) but will study new FinFET technology.

The Fox-1E spacecraft bus will be built on the Fox-1 series but will feature a linear V/U (Mode J) transponder "upgrade" to replace the standard FM repeater which Fox-1A through D have carried. The downlink will feature a 1200 bps BPSK telemetry channel to carry the Vanderbilt science in addition to a 30 kHz wide transponder for amateur radio use.

Further details of the mission and timeline will be published as they become available and are cleared for public release.

[ANS thanks AMSAT's Fox Engineering Team for the above information]

/EX